California Water Quality Monitoring Collaboration Network Participant:
Join the California Water Quality Monitoring Collaboration Network and Peggy Lehman from the Department of Water Resources "Application of Imaging Particle Analysis in California Environmental Monitoring". Please join us on Wednesday 25, 2014 from 11:30 AM -12:30 PM. Please see the instructions below to join the webinar. To watch the presentation, "join the online meeting" and to hear the meeting, "join the teleconference (call in)" as we use voice over phone protocol.

Presenter: Peggy Lehman

Peggy Lehman is a Staff Environmental Scientist with the Division of Environmental Services, California Department of Water Resources (DWR). Peggy earned her B. S., M.S. and Ph.D. all at U. C. Davis, Ca. Prior to joining DWR she was an instructor at Chapman College – Alameda, CA; Post Doctor and Research Associate, University of California at Davis; and had a National Research Council Fellowship, with the Bedford Institute of Oceanography, Nova Scotia, Canada. Peggy has research experience in estuarine aquatic food web ecology; water quality, phytoplankton ecology, cyanobacteria harmful algal bloom dynamics and food web impacts; eutrophication; freshwater tidal wetland water quality and primary productivity; dissolved oxygen TMDL; and climate change.
www.water.ca.gov/environmentalservices/
www.water.ca.gov/ssr/staff/lehman.cfm

Topic: Application of Imaging Particle Analysis in California Environmental Monitoring

FlowCAM is an imaging particle analysis tool that detects and measures algae, zooplankton and particles in a continuous fluid flow. Scientists, researchers and technicians can obtain size, shape, fluorescence and concentration statistics in a fraction of the time required by traditional microscopy. A high speed imaging particle analyzer also provides some of the capabilities of a flow cytometer. A wealth of information is derived from the microscopic images. By acquiring and storing a digital image of each particle detected, different particle types in a heterogeneous sample can be automatically identified, differentiated and quantified. FlowCAM acquires high resolution microscopic images at a very rapid rate; typically up to 10,000 images/minute. The intuitive Visual Spreadsheet analysis software uses proprietary methods that allow the user to sort, filter and classify particle images interactively. The system provides an in-depth characterization of whole data populations, sub-populations, and even individual particles. www.fluidimaging.com/index.htm

Applications

- Aquatic Research - Count & measure salt and freshwater organisms (algae)
- Municipal Water - Monitor drinking water supplies for taste & odor algae
- Invasive Species - Detect & quantify harmful invasive species such as Zebra mussels, etc.

Meeting information

Topic: CWQMCN Webinar

Date: Wednesday, June 25, 2014
Time: 11:30 am, Pacific Daylight Time (San Francisco, GMT-07:00)
Meeting Number: 740 429 744
Meeting Password: water

To join the online meeting

Go to
https://waterboards.webex.com/waterboards/j.php?MTID=m65dcc9a3742e68699bc9525afe81d247

Teleconference information

Call-in toll-free number (Verizon): 1-866-761-8603 (US)
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Show global numbers:
https://clicktojoin.verizonbusiness.com/wbbcClick2Join/servlet/WBBCClick2Join?TollNumCC=1&TollNum=517-652-7895&TollFreeNumCC=1&TollFreeNum=866-761-8603&ParticipantCode=5095154&customHeader=mymeetings&dialInNumbers=true
Attendee access code: 509 515 4

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CWQMCN Communication:
You can join the CWQMCN webinar listserv by signing up on the web at:
www.waterboards.ca.gov/resources/email_subscriptions/swrcb_subscribe.shtml.
Enter your email address and name, place a check mark next to "Water Quality Monitoring Collaboration Network - Webinar Sessions", then click the "subscribe" button.

We have set up a webpage for the California Water Quality Monitoring Collaboration Network (CWQMCN) at:
www.waterboards.ca.gov/water_issues/programs/monitoring_council/collaboration_network/index.shtml

LinkedIn Group: California Water Quality Monitoring Professional Network
This group was formed to facilitate water quality monitoring communication and discussions.
www.linkedin.com

Watch CWQMCN videos and find video playlists at www.youtube.com/cwqmcn.